## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

## LISTING OF CLAIMS:

Claims 1-6 (Canceled)

Claim 7. (Withdrawn-Currently amended): A heat-sensitive recording material as claimed in claim-6\_10, wherein said protective layer comprises said water-soluble polymer having a repeating unit represented by the structural formula (4).

Claim 8. (Withdrawn): A heat-sensitive recording material as claimed in claim 7, wherein said water-soluble polymer comprises at least a water-soluble polymer represented by one of the following structural formulae (6), (7), (8) and (9):

Structural formula (9)

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in which Y represents -SO<sub>3</sub>A or -COOA, and A represents Na, K, NH<sub>4</sub> or NH(C<sub>2</sub>H<sub>4</sub>OH)<sub>3</sub>; m

represents an integer of at least 10; n represents a number from 0.1 to 0.9, 1 represents a number

from 0.9 to 0.1, and n + 1 is 1.0; r represents a number from 0.1 to 0.9, s represents a number

from 0.9 to 0.1, and r + s is 1.0; t represents a number from 0.1 to 0.9, u represents a number

from 0.1 to 9, v represents a number from 0.1 to 0.9, and t + u + v is 1.0; R represents an alkyl

group having 2 or more carbon atoms; and Z represents Na, K, NH<sub>4</sub> or NH(C<sub>2</sub>H<sub>4</sub>OH)<sub>3</sub>.

Claim 9. (Withdrawn-Currently amended): A heat-sensitive recording material as

claimed in claim-6 10, wherein said protective layer contains said water-soluble polymer in an

amount of from 1 to 10% by weight based on total dry coating amount of said protective layer.

Claim 10. (Original): A heat-sensitive recording process comprising the steps of:

(a) preparing a heat-sensitive recording material comprising a support and a plurality of

layers formed on the support, said plurality of layers including at least a heat-sensitive recording

layer and a protective layer formed on said heat-sensitive recording layer, said protective layer

comprising at least one compound represented by one of the following structural formulae (1),

(2) and (3) or a water-soluble polymer having a repeating unit represented by the following

structural formula (4):

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in which, in the structural formulae (1), (2) and (3), X represents H or  $CH_2OH$ ;  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  each represents a saturated or unsaturated alkyl group having from 8 to 24 carbon atoms, which alkyl group is optionally branched and optionally has a hydroxyl group;  $R^3$  and  $R^4$  may be the same and may be different; and L represents the following structural formula (5)

$$-(CH_2)_{\overline{m}}$$
 Structural formula (5)

in which n+m is an integer from 0 to 8, and, in the structural formula (4), Y represents H,  $-SO_3A$  or -COOA, and A represents Na, K, NH<sub>4</sub> or NH(C<sub>2</sub>H<sub>4</sub>OH)<sub>3</sub>; and

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(b) subjecting said heat-sensitive recording material to heat using a thermal head which has an uppermost layer having a carbon content of at least 90%.

Claim 11. (New): A heat-sensitive recording material as claimed in claim 10, wherein said at least one compound represented by one of the structural formulae (1), (2) and (3) is contained in said protective layer in an amount of from 0.5 to 10% by weight based on a total dry coating amount of said protective layer.

Claim 12. (New): A heat-sensitive recording material as claimed in claim 10, wherein said at least one compound represented by one of the structural formulae (1), (2) and (3) is selected from the group consisting of stearic amide, ethylene bisstearoamide, methylol stearoamide, lauric amide, ethylene bislaurilamide, myristic amide, palmitic amide and behenic amide.

Claim 13. (New): A heat-sensitive recording material as claimed in claim 10, wherein said protective layer contains stearic amide in an amount of from 0.5 to 10% by weight based on total dry coating amount of said protective layer.

Claim 14. (New): A heat-sensitive recording material as claimed in claim 10, wherein said support and said heat-sensitive recording layer are substantially transparent.

Claim 15. (New): A heat-sensitive recording material as claimed in claim 10, wherein a thermal head is placed in contact with said heat-sensitive recording material during image recording, and a difference in transportation torque when applying a minimum amount of energy for causing coloring in said heat-sensitive recording material and when applying an amount of

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energy for causing an optical transmission density of approximately 3.0 is no more than 2 Kg cm.